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(54) Title: CANCER-ASSOCIATED PROTEIN PHOSPHATASES AND THEIR USES

(57) Abstract: Detection of expression of the provided phosphatases in cancers is useful as a diagnostic, for determining the effectiveness of drugs, and for determining patient prognosis. The encoded polypeptides further provide a target for screening pharmaceutical agents effective in inhibiting the growth or metastasis of tumor cells. The present invention further provides methods and compositions relating to agents that specifically bind to MKPX, PTP4A1, PTPN7, FEM-2, DKFZP566K0524 or FLJ20313 for treatment and visualization of tumors in patients.

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